<u>Abstract</u>

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The invention relates to a suspension polymerization process for the preparation of styrene-containing (co)polymers, wherein the process comprises the steps of continuously or semi-continuously dosing an initiator to the reaction mixture, said initiator having a specified half-life at the temperature of the reaction mixture to which it is dosed. The invention further relates to styrene based (co)polymer obtainable by said process, and to the use of said styrene (co)polymer in a shaping process.